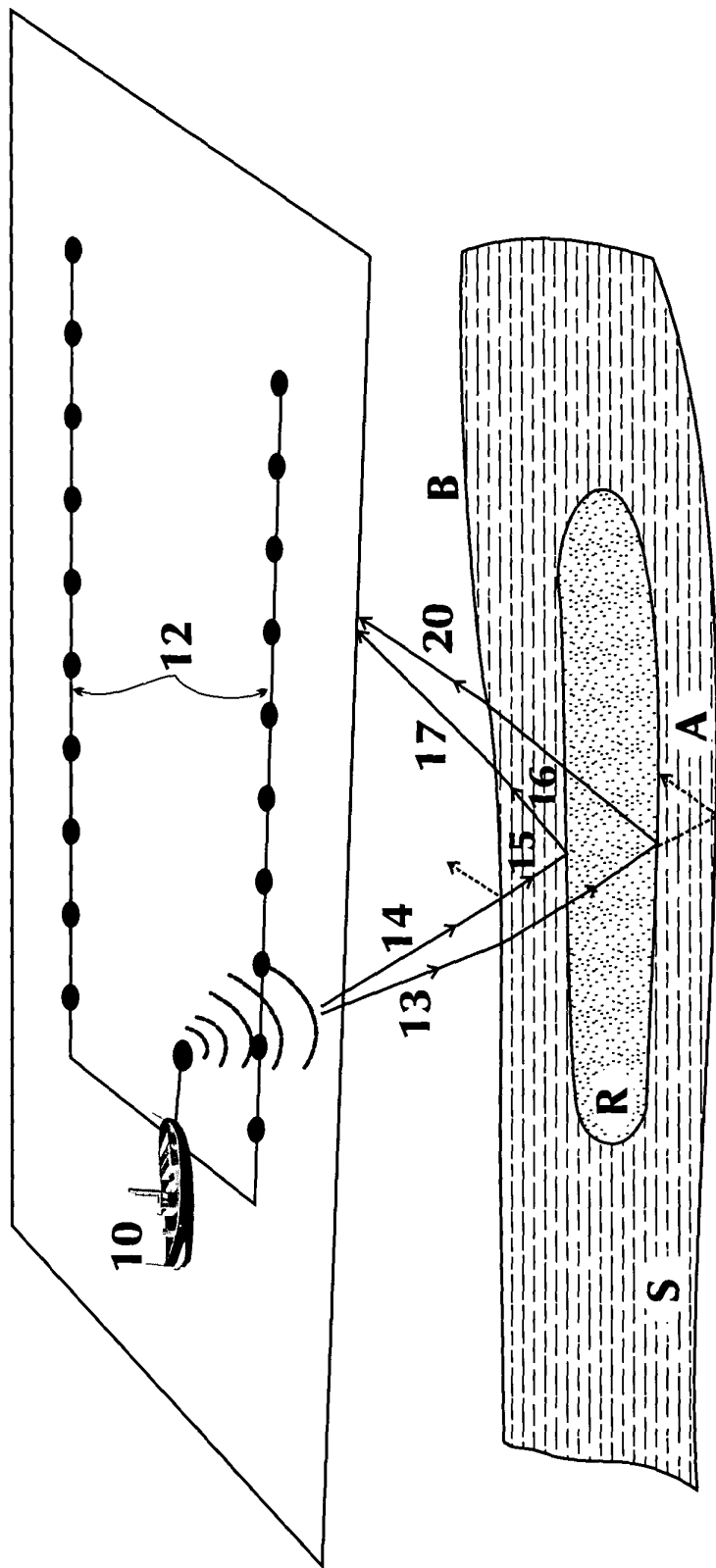


The diagram illustrates a scanning system. On the left, a sensor array (10) is shown, consisting of a series of elements (12) connected to a central processing unit (14). The array is positioned to scan a target area (S) on the right. The target area (S) is a rectangular region containing a smaller, shaded area (R). The sensor array (10) is connected to a central processing unit (14) via a series of lines (13, 15, 16, 17, 20). The central processing unit (14) is connected to a series of elements (12) via a series of lines (13, 15, 16, 17, 20). The elements (12) are connected to a series of lines (13, 15, 16, 17, 20) via a series of lines (13, 15, 16, 17, 20). The lines (13, 15, 16, 17, 20) are connected to a series of lines (13, 15, 16, 17, 20) via a series of lines (13, 15, 16, 17, 20).



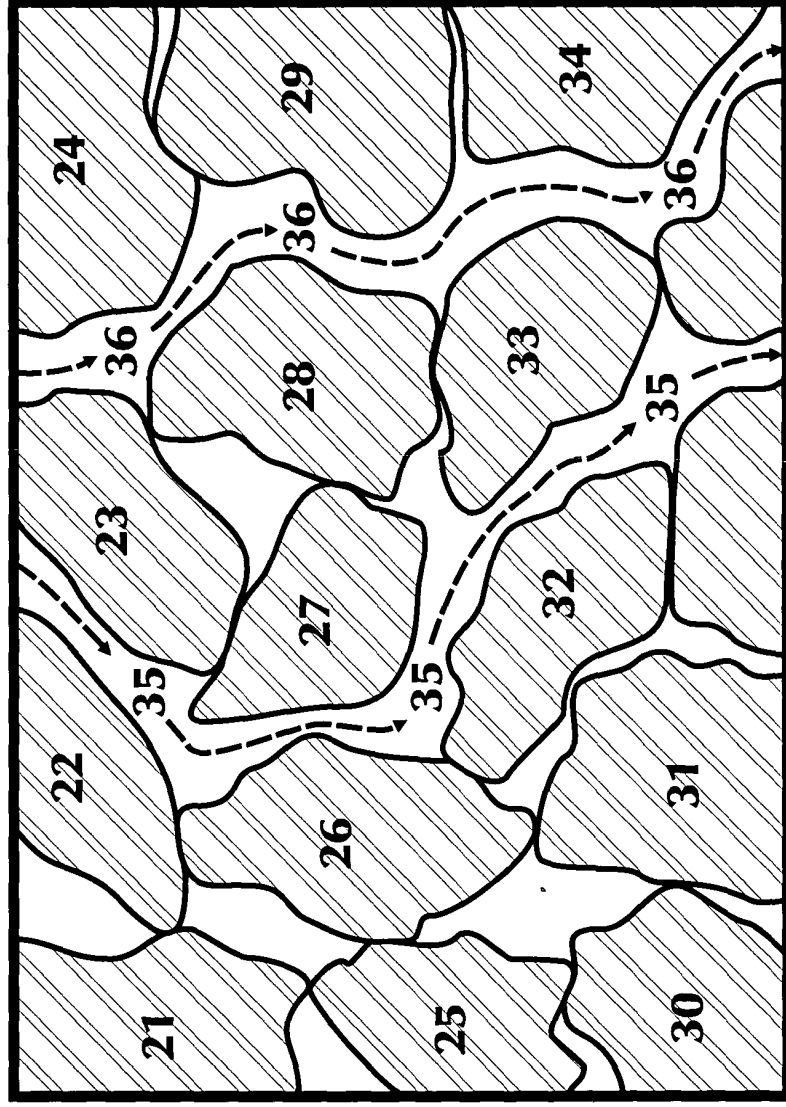
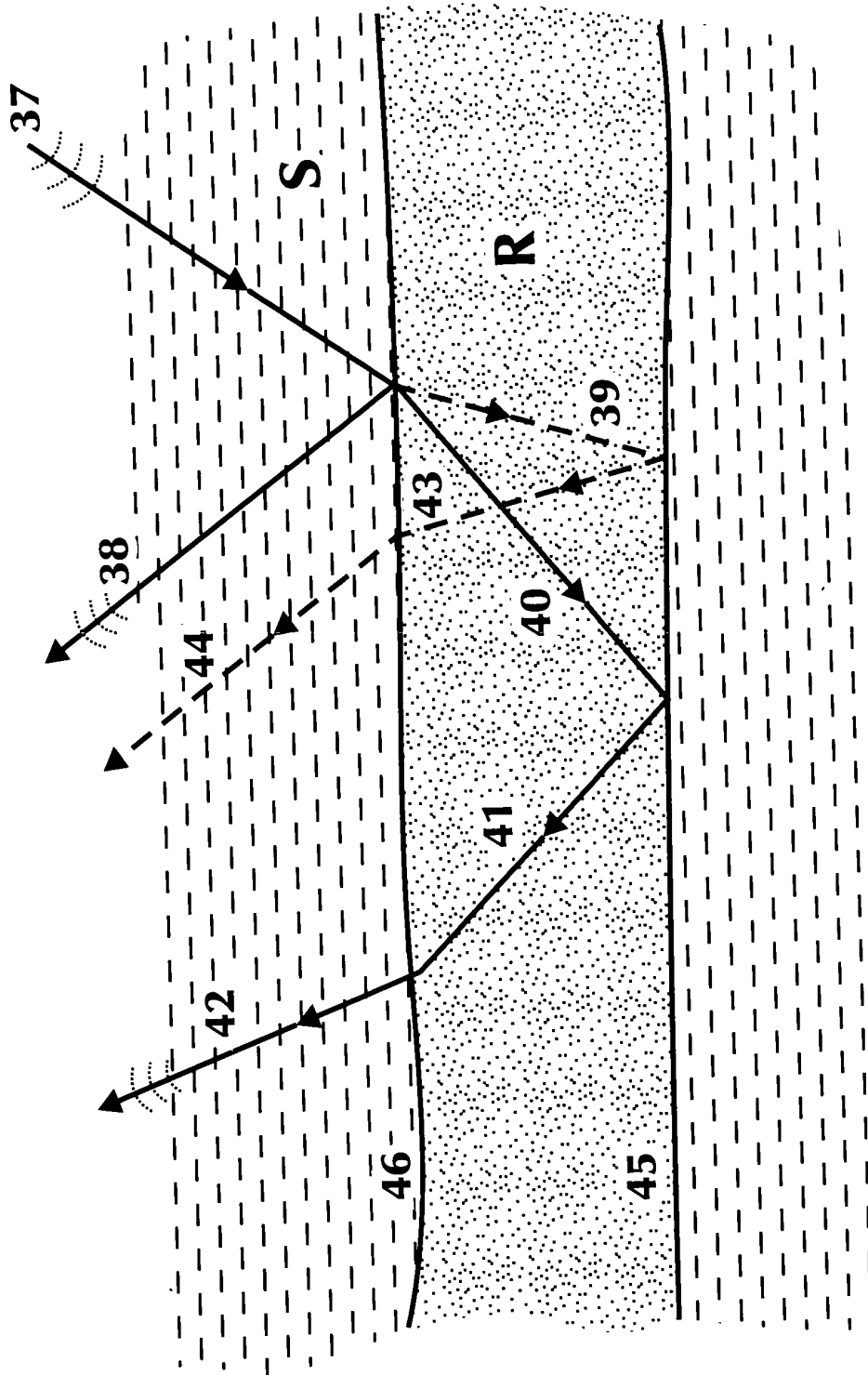


Figure 1 is a schematic diagram illustrating the relationship between the magnetic field vector H and the flux density vector B in a three-phase system. The diagram shows three regions: S (stator), R (rotor), and Y (yoke). The magnetic field vector H is represented by a solid line with an arrow pointing towards the rotor, labeled 42. The flux density vector B is represented by a dashed line with an arrow pointing away from the rotor, labeled 44. The angle between H and B is labeled 48. The angle between H and the normal to the air gap is labeled 49. The angle between B and the normal to the air gap is labeled 47. The angle between H and the normal to the air gap is labeled 40. The angle between B and the normal to the air gap is labeled 43. The angle between H and the normal to the air gap is labeled 41. The angle between B and the normal to the air gap is labeled 46. The angle between H and the normal to the air gap is labeled 45. The angle between B and the normal to the air gap is labeled 46. The angle between H and the normal to the air gap is labeled 45. The angle between B and the normal to the air gap is labeled 46.



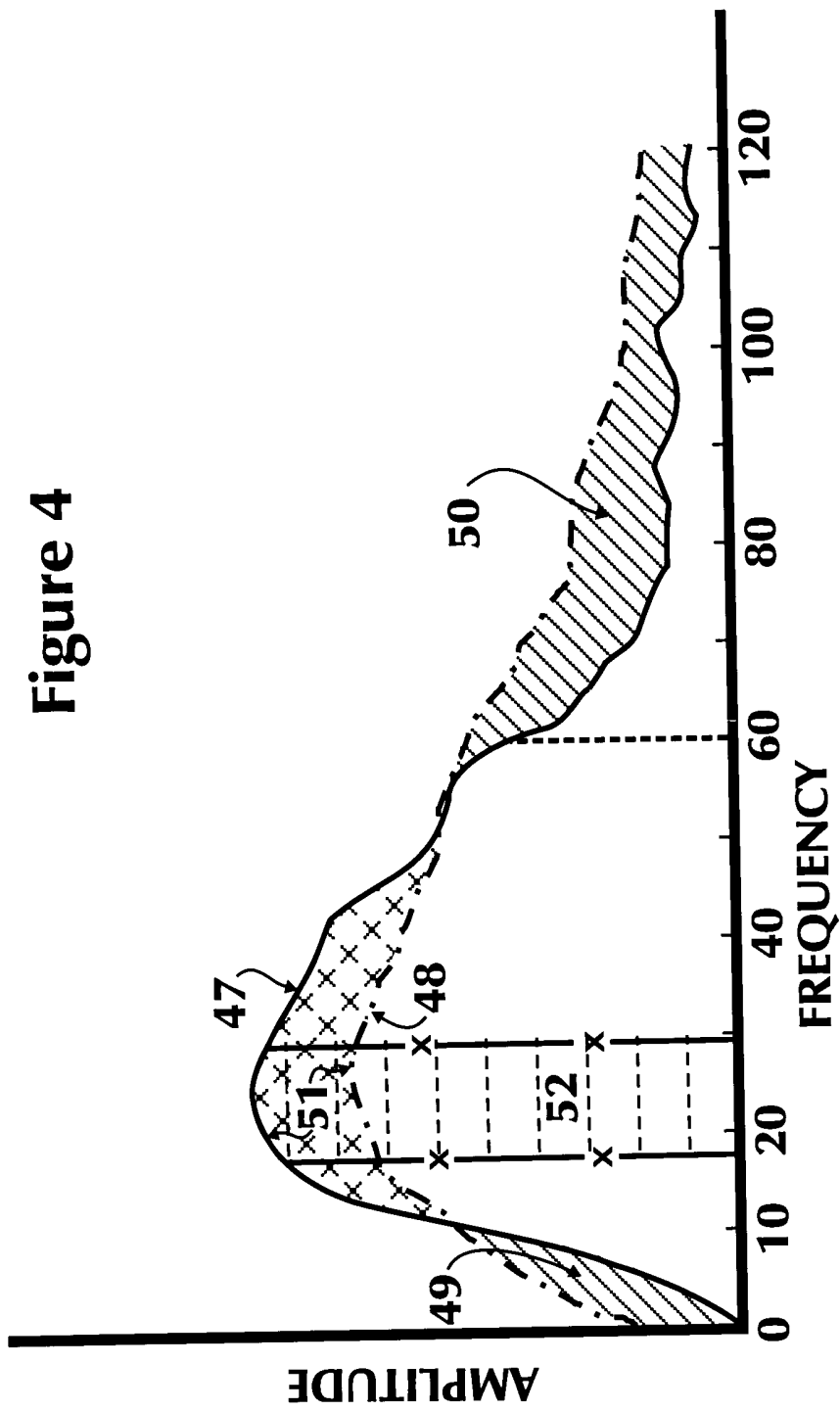


Figure 4

Figure 5

